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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>				PE 0205604N: <i>Tactical Data Links</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	14.525	28.854	69.224	-	69.224	87.653	44.359	32.376	28.572	Continuing	Continuing
2126: <i>ATDLS Integration</i>	14.525	28.854	57.224	-	57.224	60.653	44.359	32.376	28.572	Continuing	Continuing
4022: <i>Other Tactical Data Link Engineering</i>	-	-	12.000	-	12.000	27.000	-	-	-	0.000	39.000

A. Mission Description and Budget Item Justification

This Program Element develops and improves the Navy's Tactical Data Link (TDL) systems. It includes the Advanced Tactical Data Link Systems (ATDLS) Integration Programs, specifically Link 16 Network and Command and Control Processor (C2P) . The Program Element also develops and tests tactical data link capability to distribute other data types to new and existing platforms.

JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under OPERATIONAL SYSTEMS DEVELOPMENT because it encompasses engineering and manufacturing development for upgrade of existing operational systems.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	14.948	28.854	65.152	-	65.152
Current President's Budget	14.525	28.854	69.224	-	69.224
Total Adjustments	-0.423	-	4.072	-	4.072
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.229	-			
• Program Adjustments	-	-	4.554	-	4.554
• Section 219 Reprogramming	-0.172	-	-	-	-
• Rate/Misc Adjustments	-	-	-0.482	-	-0.482
• Congressional General Reductions	-0.022	-	-	-	-
Adjustments					

Change Summary Explanation

Schedule:

ATDLS Integration:

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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>		R-1 ITEM NOMENCLATURE PE 0205604N: <i>Tactical Data Links</i>
<p>Link 16 Network Increment II Dynamic Network Management (DNM) (2126): DNM Milestone C/Full Development Decision Review (FDDR) (from Fiscal Year (FY) 2011Q3 to FY 2012Q2), Initial Operating Capability (IOC) (from FY 2011Q3 to FY 2012Q2), Full Operating Capability (FOC) (from FY 2014Q1 to FY 2014Q4), Joint Tactical Information Distribution System (JTIDS) Developmental Test Readiness Review (DTRR) (from FY 2010Q4 to FY 2011Q3)/Operational Test Readiness Review (OTRR) (from FY 2011Q1 to FY 2011Q4), Multifunctional Information Distribution System (MIDS) On Ship (MOS) DTRR (from FY 2011Q4 to FY 2012Q3)/OTRR (from FY 2012Q1 to FY 2012Q4), JTIDS Developmental Test (DT) (from FY 2011Q1 to FY 2011Q4)/Operational Test (OT) (from FY 2011Q2 to FY 2012Q1), and MOS DT (from FY 2011Q4 to FY 2012Q3)/ Follow On Operational Test and Evaluation (FOT&E) (from FY 2012Q2 to FY 2013Q1) slipped due to delays in the processing and approval of the Capabilities Production Document (CPD).</p> <p>Link 16 Network Increment II Cryptographic Modernization (CM)/Frequency Remapping (FR) (2126): MOS CM/FR Development (Ship) System Requirements Review (SRR) (from FY 2012Q1 to FY 2013Q3), Preliminary Design Review (PDR) (from FY 2012Q4 to FY 2013Q3), and Critical Design Review (CDR) (from FY 2013Q2 to FY 2013Q4) moved to match the Joint Program Executive Office (JPEO) Joint Tactical Radio System (JTRS) new MIDS production schedule. JTIDS CM/FR Development CDR (from FY 2013Q1 to FY 2013Q2), JTIDS/MOS CM/FR Integration (Ship) SRR (from FY 2013Q1 to FY 2014Q2), PDR (from FY 2013Q3 to FY 2014Q4), CDR (from FY 2014Q1 to FY 2015Q2) moved to align with the Command and Control Processor (C2P) post Tech Refresh schedule, JTIDS CM/FR Integration (Air) SRR (from FY 2013Q1 to FY 2015Q1), PDR (from FY 2013Q3 to FY 2015Q3), CDR (from FY 2014Q1 to FY 2016Q1) and CM/FR (Ship) DT (from FY 2015Q3 to FY 2015Q4) slipped due to Department re-prioritizing funds for higher-priority objectives. JTIDS CM/FR Test Readiness Review (TRR), CM/FR (Ship) DTRR, CM/FR (Ship) OTRR, CM/FR (Ship) OT have been added to the schedule.</p> <p>Command and Control Processor (C2P) (2126): C2P Technology Refresh, C2P Interoperability and C2P Link 22 have been added to the schedule.</p> <p>The Radar Systems Engineering project is a FY12 new start that will develop and test the capability to distribute real-time radar track data over tactical data links.</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0205604N: Tactical Data Links				PROJECT 2126: ATDLS Integration			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
2126: ATDLS Integration	14.525	28.854	57.224	-	57.224	60.653	44.359	32.376	28.572	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

This project develops and improves the Navy's Tactical Data Link (TDL) systems. It includes the Advanced Tactical Data Link Systems (ATDLS) Integration Programs, specifically Link 16 Network and Command and Control Processor (C2P).

ATDLS Integration Program develops new and improved capabilities for Navy tactical data link users. The Navy Link 16 Network Increment II consists of Dynamic Network Management (DNM), Cryptographic Modernization (CM) and Frequency Remapping (FR). C2P Technology Refresh will modernize legacy C2P processing components to address C2P component obsolescence issues. C2P is a critical component in the Aegis Ballistic Missile Defense (BMD) architecture. Modernization is a service life extension program required to sustain C2P support of Naval Air and Ballistic Missile Defense capabilities. Link 22 development and integration into the C2P is planned.

Link 16 Network Increment II funds the DNM capability and the implementation of Link 16 Network DNM on Navy ships, shore sites and airborne Link 16 terminals. DNM will provide automatic reconfiguration of Link 16 networks that respond instantly to emergent warfighter requirements. DNM consists of new terminal protocols that include Time Slot Reallocation (TSR) and Combined Network Participation Groups (CNPg). The DNM capabilities will be incorporated into Next Generation Command and Control Processor (NGC2P). Increment II also funds the following activities: (1) development and implementation of CM and FR mandates as a product improvement into Link 16 terminals and integration into shore sites, ship (NGC2P), and current Navy Joint Tactical Information Distribution System (JTIDS) airborne platforms; (2) development, integration, testing, and fielding of additional stacked networks and studies; (3) Developmental Test / Operational Test (DT/OT) of Navy platform modifications; and (4) implementation of new Link 16 information / data into the shipboard C2P to support Link 16 Network new and improved capabilities.

FY 2012 Justification: Funding will provide for the platform integration efforts of DNM (TSR and CNPg), and Link 16 Network DNM Multifunctional Information Distribution System (MIDS) On Ship (MOS) DT and the Link 16 Network DNM JTIDS OT and MOS OT. In support of National Security Agency (NSA Policy 3-9) and Joint Chiefs of Staff mandates (Chairman of the Joint Chiefs of Staff Instruction Notice 6510.02), funding will provide for modernization of the cryptographic algorithm used in Link 16 terminals by continuing development of programmable cryptographic capability to load and store multiple cryptographic algorithms. Non-compliance will result in loss of Link 16 capability, as cryptographic keys for non-compliant systems will no longer be available. Additionally, FR is required by the Department of Defense and the Department of Transportation, via a Memorandum of Agreement (Regarding the 960-1215 MHz Frequency Band, 31 December 2002), to be able to continue to operate and exercise within the Unites States and Possessions. All Link 16 terminals are required to have this capability to support Link 16 Interoperability. Funding will provide for JTIDS CM/FR Preliminary Design Review (PDR) and commencement of design efforts leading to a CDR in FY13.

C2P Technology Refresh funds a product improvement effort to modernize legacy C2P software and hardware components and thereby extend its effective service life. Product improvement efforts will include C2P software development, hardware integration, update of the C2P development environment to promote sustainability and testing to include DT/OT of the C2P Technology Refresh baseline.

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy		DATE: February 2011	
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0205604N: Tactical Data Links	PROJECT 2126: ATDLS Integration	
FY 2012 Justification: Funding will provide for requirements, design and initial development of Command and Control Processor (C2P) Technology Refresh baseline. System Requirements Review (SRR) and Preliminary Design Review (PDR) will be conducted. Efforts will commence leading toward a Critical Design Review (CDR) which will occur in FY 2013. Initial development activities will be limited to prototype efforts needed to support PDR and CDR.			
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
Title: Link 16 Network Increment II (Formerly ATDLS Integration) - Dynamic Network Management (DNM) Articles: FY 2010 Accomplishments: Conducted Link 16 Network Increment II Dynamic Network Management (DNM) CDR. Conducted DNM Time Slot Reallocation (TSR) / Combined Network Participation Groups (CNP) Developmental Test (DT). Conducted DT. Conducted platform integration efforts for DNM (TSR and CNP). FY 2011 Plans: Conduct DNM DT / OT. Develop Link 16 Network integrated logistics support products. FY 2012 Plans: Continue DNM DT / OT leading up to DNM Milestone C. Conduct Multifunctional Information Distribution System (MIDS) On Ship (MOS) DNM DT to support MOS DNM Follow-on Operational Test and Evaluation (FOT&E) Operational Test Readiness Review (OTRR). Continue Link 16 Network integrated logistics support.	4.583 0	3.520 0	1.100 0
Title: Link 16 Network Increment II (Formerly ATDLS Integration) - Cryptographic Modernization (CM) / Frequency Remapping (FR) Articles: FY 2010 Accomplishments: Began Increment II platform integration studies including shore, shipboard, and current Navy Joint Tactical Information Distribution System (JTIDS) airborne (E-2C and EP-3) platform integration studies and analysis. Conducted development for additional stacked networks, CM, and FR. Conducted technology demonstrations for FR and additional stacked networks. Conducted analysis and efforts related to Federal Aviation Administration (FAA) spectrum certification requirements for Tactical Data Links. Developed Link 16 Network integrated logistics support products. FY 2011 Plans: Conduct platform integration studies and Technology Demonstration for additional stacked networks, Cryptographic Modernization (CM) and Frequency Remapping (FR). Continue shore site, shipboard, and current Navy Joint Tactical Information Distribution	9.942 0	25.334 0	43.422 0

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy								DATE: February 2011					
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0205604N: Tactical Data Links				PROJECT 2126: ATDLS Integration					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010		FY 2011		FY 2012	
System (JTIDS) airborne (E-2C and EP-3) platform integrations studies and analysis. Conduct System Requirements Review (SRR) for CM / FR. Develop Link 16 Network integrated logistics support products. FY 2012 Plans: Continue Link 16 Network integrated logistics support. Conduct Preliminary Design Review (PDR). Conduct detailed design of the Cryptographic Modernization (CM)/ Frequency Remapping (FR) product improvement. Begin development of system technical requirements for the integration of Multifunctional Information Distribution System (MIDS) On Ship (MOS) with CM/FR into ship. Title: Command and Control Processor (C2P) FY 2012 Plans: Develop C2P Technology Refresh requirements and conduct C2P Technology Refresh System Requirements Review (SRR) and Preliminary Design Review (PDR). Conduct prototyping efforts in preparation of and in support of an FY 2013 Critical Design Review (CDR).													
Articles:								-		-		12.702 0	
Accomplishments/Planned Programs Subtotals								14.525		28.854		57.224	
C. Other Program Funding Summary (\$ in Millions)													
Line Item		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost	
• OPN/2614: ATDLS		4.301	2.273	0.942	0.000	0.942	0.000	8.578	18.105	26.650	Continuing	Continuing	
D. Acquisition Strategy													
The Dynamic Network Management (DNM) Time Slot Reallocation (TSR) / Combined Network Participation Groups (CNPg) will be incorporated into C2P and will utilize the contract for C2P. Remaining DNM development efforts will utilize an existing development contract with British Aerospace Engineering (BAE) Systems, Data Link Solutions Limited Liability Corporation (LLC) and Warner Robins Consolidated Software Support Activity. The Joint Tactical Information Distribution System (JTIDS) Crypto Modernization (CM)/Frequency Remapping (FR) development and Low Rate Initial Production (LRIP) contract was awarded to Data Link Solutions (DLS). The associated production contract for JTIDS CM/FR will be competitively awarded after Operational Test. The MOS CM/FR contract will be awarded in FY12. Will competitively award a contract for C2P Tech Refresh development and production. C2P sustainment efforts will utilize the software support activity at Space and Naval Warfare Systems Command (SPAWAR) Systems Center Pacific and provide for future competitively-awarded sustainment contracts.													
E. Performance Metrics													
Link 16 Network DNM: Successfully achieve Milestone C. Successfully achieve Initial Operational Capability. Successfully conduct Full Deployment Decision Review. Successfully complete Operation Test Readiness Review. Link 16 Link 16 Network DNM: Successfully achieve Milestone C. Successfully achieve Initial Operational													

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0205604N: <i>Tactical Data Links</i>	PROJECT 2126: <i>ATDLS Integration</i>
<p>Capability. Successfully conduct Full Deployment Decision Review. Successfully complete Operation Test Readiness Review. Successfully complete Developmental Test / Operational Test.</p> <p>Link 16 Network Cryptographic Modernization: Successful implementation of updated cryptographic algorithm as specified by National Security Agency (NSA Policy 3-9) Certification in Joint Tactical Information Distribution System (JTIDS) and Multifunctional Information Distribution System (MIDS) on Ship (MOS) Link 16 terminals.</p> <p>Link 16 Network Frequency Remapping: Successful implementation of a Frequency Remapping capability as specified in Department of Defense/Department of Transportation Memorandum of Agreement regarding the 960-1215 MHz Frequency Band of 31 Dec 02 in Joint Tactical Information Distribution System (JTIDS) and Multifunctional Information Distribution System (MIDS) on Ship (MOS) Link 16 Terminals..</p> <p>Command and Control Processor (C2P): Successfully achieve C2P Technology Refresh Fielding and thereby maintain operational availability.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT					
1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				PE 0205604N: Tactical Data Links				2126: ATDLS Integration					
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ATDLS Product Development and Integration	Various	Various:Various	363.158	-		-		-		-	0.000	363.158	363.158
Link 16 Network Development	SS/FFP	DLS (BAE/Rockwell):Wayne, NJ	13.077	13.311	Oct 2010	27.631	Oct 2011	-		27.631	Continuing	Continuing	Continuing
Link 16 Network Software	WR	SPAWARSYSCEN PAC:San Diego, CA	1.042	1.454	Oct 2010	-		-		-	0.000	2.496	Continuing
Link 16 Network Integrated Logistics Support	TBD	SeaPort-E:San Diego, CA	0.500	0.600	Oct 2010	0.753	Oct 2011	-		0.753	Continuing	Continuing	Continuing
Link 16 Network Configuration Management	WR	SPAWARSYSCEN PAC:San Diego, CA	0.126	0.325	Oct 2010	0.448	Oct 2011	-		0.448	Continuing	Continuing	Continuing
Link 16 Network Systems Engineering	WR	SPAWARSYSCEN PAC:San Diego, CA	29.072	6.919	Oct 2010	5.801	Oct 2011	-		5.801	Continuing	Continuing	Continuing
C2P Development	C/IDIQ	Unknown:Unknown	-	-		7.881	Dec 2011	-		7.881	Continuing	Continuing	Continuing
C2P Systems Engineering	TBD	Unknown:Unknown	-	-		4.420	Dec 2011	-		4.420	Continuing	Continuing	Continuing
Subtotal			406.975	22.609		46.934		-		46.934			
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ATDLS Test and Evaluation	Various	Various:Various	65.171	-		-		-		-	0.000	65.171	65.171
Link 16 Network Developmental T&E	WR	SPAWARSYSCEN PAC:San Diego, CA	1.365	1.673	Oct 2010	4.017	Oct 2011	-		4.017	Continuing	Continuing	Continuing
Link 16 Network Operational T&E	WR	SPAWARSYSCEN PAC:San Diego, CA	1.027	1.137	Oct 2010	-		-		-	Continuing	Continuing	Continuing
Subtotal			67.563	2.810		4.017		-		4.017			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0205604N: Tactical Data Links				PROJECT 2126: ATDLS Integration					
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ATDLS System Engineering Support	Various	Various:Various	20.177	-		-		-		-	0.000	20.177	20.177
Link 16 Network Contractor Engineering Support	C/CPFF	SeaPort-E:San Diego, CA	1.437	1.972	Oct 2010	1.900	Oct 2011	-		1.900	Continuing	Continuing	Continuing
Link 16 Network Government Engineering Support	WR	SPAWARSSYSCEN PAC:San Diego, CA	0.500	1.113	Oct 2010	1.990	Oct 2011	-		1.990	Continuing	Continuing	Continuing
Link 16 Network Program Management Support	C/CPFF	SeaPort-E:San Diego, CA	0.350	0.350	Oct 2010	1.982	Oct 2011	-		1.982	Continuing	Continuing	Continuing
C2P Program Management Support	TBD	Unknown:Unknown	-	-		0.401	Oct 2011	-		0.401	Continuing	Continuing	Continuing
Acquisition Workforce Fund	Various	Unknown:Unknown	0.020	-		-		-		-	0.000	0.020	0.020
Subtotal			22.484	3.435		6.273		-		6.273			
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			497.022	28.854		57.224		-		57.224			
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0205604N: <i>Tactical Data Links</i>	PROJECT 2126: <i>ATDLS Integration</i>

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0205604N: <i>Tactical Data Links</i>	PROJECT 2126: <i>ATDLS Integration</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0205604N: <i>Tactical Data Links</i>	PROJECT 2126: <i>ATDLS Integration</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 2126				
Link 16 Network DNM Critical Design Review	1	2010	1	2010
Link 16 Network JTIDS CM/FR Development System Requirements Review	3	2011	3	2011
Link 16 Network JTIDS DNM Developmental Test Readiness Review	3	2011	3	2011
Link 16 Network JTIDS DNM Developmental Test	4	2011	4	2011
Link 16 Network JTIDS DNM Operational Test Readiness Review	4	2011	4	2011
Link 16 Network JTIDS DNM Operational Test	1	2012	1	2012
C2P Tech Refresh System Requirements Review	2	2012	2	2012
Link 16 Network DNM Milestone C/Full Development Decision Review	2	2012	2	2012
Link 16 Network DNM Initial Operating Capability	2	2012	2	2012
Link 16 Network JTIDS CM/FR Development Preliminary Design Review	2	2012	2	2012
NGC2P Increment 2 Full Operating Capability	2	2012	2	2012
Link 16 Network MOS DNM Developmental Test Readiness Review	3	2012	3	2012
Link 16 Network MOS DNM Developmental Test	3	2012	3	2012
C2P Tech Refresh Preliminary Design Review	4	2012	4	2012
Link 16 Network MOS DNM Operational Test Readiness Review	4	2012	4	2012
Link 16 Network MOS DNM Follow On Operational Test & Evaluation	1	2013	1	2013
C2P Tech Refresh Critical Design Review	2	2013	2	2013
Link 16 Network JTIDS CM/FR Development Critical Design Review	2	2013	2	2013
Link 16 Network MOS CM/FR Development (Ship) System Requirements Review	3	2013	3	2013
Link 16 Network MOS CM/FR Development (Ship) Preliminary Design Review	3	2013	3	2013
Link 16 Network MOS CM/FR Development (Ship) Critical Design Review	4	2013	4	2013

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0205604N: <i>Tactical Data Links</i>	PROJECT 2126: <i>ATDLS Integration</i>	

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
C2P Tech Refresh Developmental Test Readiness Review	4	2013	4	2013
C2P Tech Refresh Developmental Test	1	2014	1	2014
Link 16 Network JTIDS/MOS CM/FR Integration (Ship) System Requirements Review	2	2014	2	2014
C2P Interoperability System Requirements Review	2	2014	2	2014
C2P Tech Refresh Operational Test Readiness Review	2	2014	2	2014
C2P Tech Refresh Low Rate Initial Production Procurement	3	2014	3	2014
Link 16 Network JTIDS CM/FR Test Readiness Review	3	2014	3	2014
Link 16 Network DNM Full Operating Capability	4	2014	4	2014
Link 16 Network JTIDS/MOS CM/FR Integration (Ship) Preliminary Design Review	4	2014	4	2014
C2P Interoperability Preliminary Design Review	4	2014	4	2014
C2P Tech Refresh Operational Test	4	2014	4	2014
Link 16 Network JTIDS CM/FR Integration (Air) System Requirements Review	1	2015	1	2015
C2P Interoperability Critical Design Review	2	2015	2	2015
Link 16 Network JTIDS/MOS CM/FR Integration (Ship) Critical Design Review	2	2015	2	2015
Link 16 Network JTIDS CM/FR Integration (Air) Preliminary Design Review	3	2015	3	2015
C2P Tech Refresh Fielding Decision Review	3	2015	3	2015
Link 16 Network CM/FR (Ship) Developmental Test Readiness Review	3	2015	3	2015
Link 16 Network CM/FR (Ship) Developmental Test	4	2015	4	2015
Link 16 Network JTIDS CM/FR Integration (Air) Critical Design Review	1	2016	1	2016
Link 16 Network CM/FR (Ship) Operational Test Readiness Review	1	2016	1	2016
Link 16 Network CM/FR (Ship) Operational Test	2	2016	2	2016
C2P Link 22 System Requirements Review	4	2016	4	2016

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0205604N: <i>Tactical Data Links</i>				PROJECT 4022: <i>Other Tactical Data Link Engineering</i>			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
4022: <i>Other Tactical Data Link Engineering</i>	-	-	12.000	-	12.000	27.000	-	-	-	0.000	39.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification See Classified Annex for details of this project.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2010	FY 2011	FY 2012
Title: Other Tactical Data Link Engineering FY 2012 Plans: See Classified Annex for details of this project.									-	-	12.000
Articles:											0
Accomplishments/Planned Programs Subtotals									-	-	12.000
C. Other Program Funding Summary (\$ in Millions) N/A											
D. Acquisition Strategy See Classified Annex for details of this project.											
E. Performance Metrics See Classified Annex for details of this project.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy											DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0205604N: Tactical Data Links				PROJECT 4022: Other Tactical Data Link Engineering						
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Product Development	TBD	TBD:TBD	-	-		10.500	Mar 2012	-		10.500	24.400	34.900	34.900	
Subtotal			-	-		10.500		-		10.500	24.400	34.900	34.900	
Remarks See Classified Annex for details of this project.														
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Test and Evaluation	TBD	TBD:TBD	-	-		0.125	Mar 2012	-		0.125	0.125	0.250	0.250	
Subtotal			-	-		0.125		-		0.125	0.125	0.250	0.250	
Remarks See Classified Annex for details of this project.														
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Management Services	TBD	TBD:TBD	-	-		1.375	Dec 2011	-		1.375	1.850	3.225	2.725	
Subtotal			-	-		1.375		-		1.375	1.850	3.225	2.725	
Remarks See Classified Annex for details of this project.														
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			-	-		12.000		-		12.000	26.375	38.375	37.875	
Remarks														

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy			DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE		PROJECT	
1319: Research, Development, Test & Evaluation, Navy		PE 0205604N: Tactical Data Links		4022: Other Tactical Data Link Engineering	
BA 7: Operational Systems Development					

	FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Proj 4022																												
See Classified Annex for Details.																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0205604N: <i>Tactical Data Links</i>	PROJECT 4022: <i>Other Tactical Data Link Engineering</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 4022				
See Classified Annex for Details.	1	2012	1	2016